
Wire list

This chapter provides information required to build cables of nonstandard lengths for Digital Trunk Interface (DTI) applications. For installation of a private T1 transmission cable, consult Northern Telecom's Transmission Division.

The following pages contain lists and descriptions applying to Digital Trunk Interface (DTI) cables external to the Meridian 1 cabinet.

QCAD129/NT9J93xx

This cable is used to connect the RS-232-C interface for an Echo Cancellor to the DTI card. **Table 17** contains the QCAD129/NT9J93xx wire list.

Standard length 7 ft (2.1 m)

Construction 22 AWG (0.644 mm), stranded

P1 Connector 15-pin, male, subminiature D, with jack-screws

P2 connector 25-pin, male, subminiature D, with jack-screws

Table 17
QCAD129/NT9J93xx wire list

DTI signal	From	To	Echo Canceller signal
DCD	P1-1	P2-20	DTR
RXD	P1-2	P2-2	TXD
DTR	P1-4	P2-8	DCD
TXD	P1-5	P2-3	RXD
GND	P1-10	P2-7	GND
RTS	P1-12	P2-4	
CTS	P1-9	P2-5	
TPENB	P1-15	nc	
Note: TPENB = Test Port Enable Bar.			

QCAD133/NT8D97xx

This cable is used to transport the T1 signal from the I/O filter assembly at the cabinet bulkhead to the Network Channel Terminating Equipment (NCTE) telephone company interface. For cabinets without an I/O filter assembly, this cable is used to transport the T1 signal from the QPC720 to the NCTE telephone company interface. **Table 18** contains the wire list for the QCAD133/NT8D97xx.

Standard length	50 ft (15.3 m)
Construction	Individually foil shielded, twisted pairs, 24 AWG (0.511 mm), stranded
P1 Connector	15-pin, female, subminiature D, with jack-screws
P2 Connector	15-pin, male, subminiature D, with slide-latch. Optional spring-latch loose-packed with cable assembly.

Table 18
QCAD133/NT8D97xx wire list

Color	From	To	DTI signal
WHITE	P1-1	P2-1	XTIP to telephone company
BLACK	P1-9	P2-9	XRING to telephone company
GRN SHLD	P1-2	nc	GND
RED	P1-3	P2-3	RTIP from telephone company
BLACK	P1-11	P2-11	RRING from telephone company
RED SHLD	P1-4	nc	GND

QCAD128/NT8D83xx

This cable transports the T1 signal from the DTI card to the I/O assembly at the cabinet bulkhead. **Table 19** shows the QCAD128/NT8D83xx wire list.

- Standard length 10 ft (3.05 m)
- Construction 15-conductor ribbon, 28 AWG (0.321 mm), stranded
- P1 Connector 15-pin, male, subminiature D, with jack-screws
- P2 Connector 15-pin, male, subminiature D, with jack-screws

Table 19
QCAD128/NT8D83xx wire list

From	To	Signal
P1-1	P2-1	XTIP to telephone company
P1-2	P2-2	GND
P1-3	P2-3	RTIP from telephone company
P1-4	P2-4	GND
P1-5	P2-5	
P1-6	P2-6	
P1-7	P2-7	
P1-8	P2-8	
P1-9	P2-9	XRING to telephone company
P1-10	P2-10	
P1-11	P2-11	RRING from telephone company
P1-12	P2-12	
P1-13	P2-13	
P1-14	P2-14	
P1-15	P2-15	

Meridian 1
**Digital Trunk Interface/
Computer-to-PBX Interface**
Installation and data administration

© 1991,1994 Northern Telecom

All rights reserved

Information is subject to change without notice.

Northern Telecom reserves the right to make changes in design or components as progress in engineering and manufacturing may warrant. This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC rules.

SL-1 and Meridian 1 are trademarks of Northern Telecom.

Publication number: 553-2811-200

Document release: Standard 6.0

Date: December 1994

Printed in the United States of America